

SEQUENCE LISTING

<110> INCYTE PHARMACEUTICALS, INC.

TANG, Y. Tom

YUE, Henry

HILLMAN, Jennifer L.

CORLEY, Neil C.

GUEGLER, Karl J.

BAUGHN, Mariah R.

AU-YOUNG, Janice

<120> GROWTH FACTOR RELATED MOLECULES

<130> PF-0627 PCT

<140> To Be Assigned

<141> Herewith

<150> 09/181,711; unassigned; 09/209,547; unassigned; 09/313,457;
unassigned<151> 1998-10-28; 1998-10-28; 1998-12-11; 1998-12-11; 1999-05-17;
1999-05-17

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<213> Homo sapiens

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Pro	Thr	Gly	Val	Ser	Asp	Cys	Val	Thr	Ile	Ala	Thr	Cys	Thr	Thr
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Asn	Glu	Thr	Met	Cys	Lys	Thr	Thr	Leu	Tyr	Ser	Arg	Glu	Ile	Val
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Tyr	Pro	Phe	Gln	Gly	Asp	Ser	Thr	Val	Thr	Lys	Ser	Cys	Ala	Ser
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Lys	Cys	Lys	Pro	Ser	Asp	Val	Asp	Gly	Ile	Gly	Gln	Thr	Leu	Pro
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Val	Ser	Cys	Cys	Asn	Thr	Glu	Leu	Cys	Asn	Val	Asp	Gly	Ala	Pro
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Ala	Leu	Asn	Ser	Leu	His	Cys	Gly	Ala	Leu	Thr	Leu	Leu	Pro	Leu
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 20 25 30
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 35 40 45
 Val Asn Met Cys Arg Ile Gln Arg Ala Asp Gly Asp Cys Asp Leu
 50 55 60
 Ala Ala Val Ile Leu His Val Lys Arg Arg Arg Ile Cys Val Ser
 65 70 75
 Pro His Asn His Thr Val Lys Gln Trp Met Lys Val Gln Ala Ala
 80 85 90
 Lys Lys Asn Gly Lys Gly Asn Val Cys His Arg Lys Lys His His
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 Gly Lys Arg Asp Ser Asn Arg Ala His Gln Gly Lys His Glu Thr
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 Tyr Gly His Lys Thr Pro Tyr
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 35 40 45
 Ser Pro Gly Thr Arg Pro Ala Glu Ser Cys Glu His Val Val Cys
 50 55 60
 Pro Arg Pro Gln Ser Cys Val Val Asp Gln Thr Gly Ser Ala His
 65 70 75
 Cys Val Val Cys Arg Ala Ala Pro Cys Pro Val Pro Ser Ser Pro
 80 85 90

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Gly Gln Glu Leu Cys Gly Asn Asn Asn Val Thr Tyr Ile Ser Ser
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Cys His Met Arg Gln Ala Thr Cys Phe Leu Gly Arg Ser Ile Gly
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Gln Phe Ser Ser Asn Lys Glu Gln Tyr Gly Val Gln Asp Pro Gln
      35           40           45
His Glu Arg Ile Ile Thr Val Ser Thr Asn Gly Ser Ile His Ser
      50           55           60
Pro Arg Phe Pro His Thr Tyr Pro Arg Asn Thr Val Leu Val Trp
      65           70           75
Arg Leu Val Ala Val Glu Glu Asn Val Trp Ile Gln Leu Thr Phe
      80           85           90
Asp Glu Arg Phe Gly Leu Glu Asp Pro Glu Asp Asp Ile Cys Lys
      95          100          105
Tyr Asp Phe Val Glu Val Glu Glu Pro Ser Asp Gly Thr Ile Leu
     110          115          120
Gly Arg Trp Cys Gly Ser Gly Thr Val Pro Gly Lys Gln Ile Ser
     125          130          135
Lys Gly Asn Gln Ile Arg Ile Arg Phe Val Ser Asp Glu Tyr Phe
     140          145          150
Pro Ser Glu Pro Gly Phe Cys Ile His Tyr Asn Ile Val Met Pro
     155          160          165
Gln Phe Thr Glu Ala Val Ser Pro Ser Val Leu Pro Pro Ser Ala
     170          175          180
Leu Pro Leu Asp Leu Leu Asn Asn Ala Ile Thr Ala Phe Ser Thr
     185          190          195
Leu Glu Asp Leu Ile Arg Tyr Leu Glu Pro Glu Arg Trp Gln Leu
     200          205          210
Asp Leu Glu Asp Leu Tyr Arg Pro Thr Trp Gln Leu Leu Gly Lys
     215          220          225
Ala Phe Val Phe Gly Arg Lys Ser Arg Val Val Asp Leu Asn Leu
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Leu Thr Glu Glu Val Arg Leu Tyr Ser Cys Thr Pro Arg Asn Phe
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Ser Val Ser Ile Arg Glu Glu Leu Lys Arg Thr Asp Thr Ile Phe

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	260		265		270
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Cys Cys Leu His	Asn Cys Asn Glu Cys	Gln Cys Val Pro Ser	Lys		
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Val Thr Lys Lys	Tyr His Glu Val Leu	Gln Leu Arg Pro Lys	Thr		
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Gly Val Arg Gly	Leu His Lys Ser Leu	Thr Asp Val Ala Leu	Glu		
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2779

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<211> 103

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 35 40 45
 Glu Asp Thr Ala Cys Met Thr Thr Leu Val Thr Val Glu Ala Glu
 50 55 60
 Tyr Pro Phe Asn Gln Ser Pro Val Val Thr Arg Ser Cys Ser Ser
 65 70 75
 Ser Cys Val Ala Thr Asp Pro Asp Ser Ile Gly Ala Ala His Leu
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 Ile Phe Cys Cys Phe Arg Asp Leu Cys Asn Ser Glu Leu
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 <213> Homo sapiens

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 Cys Leu Ala Tyr His Tyr Pro Ile Gly Trp Ala Val Leu Arg Arg
 35 40 45
 Ala Trp Thr Tyr Arg Ile Gln Glu Val Ser Gly Ser Cys Asn Leu
 50 55 60
 Pro Ala Ala Ile Phe Tyr Leu Pro Lys Arg His Arg Lys Val Cys
 65 70 75
 Gly Asn Pro Lys Ser Arg Glu Val Gln Arg Ala Met Lys Leu Leu
 80 85 90
 Asp Ala Arg Asn Lys Val Phe Ala Lys Leu His His Asn Met Gln
 95 100 105
 Thr Phe Gln Ala Gly Pro His Ala Val Lys Lys Leu Ser Ser Gly
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Cys	Trp	Leu	Arg	Gln	Ala	Arg	Asn	Gly	Arg	Cys	Gln	Val	Leu	Tyr
				35					40					45
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Thr	Thr	Ser	Trp	Thr	Glu	Glu	Asp	Val	Asn	Asp	Asn	Thr	Leu	Phe
				65					70					75
Lys	Trp	Met	Ile	Phe	Asn	Gly	Gly	Ala	Pro	Asn	Cys	Ile	Pro	Cys
				80					85					90
Lys	Glu	Thr	Cys	Glu	Asn	Val	Asp	Cys	Gly	Pro	Gly	Lys	Lys	Cys
				95					100					105
Lys	Met	Asn	Lys	Lys	Asn	Lys	Pro	Arg	Cys	Val	Cys	Ala	Pro	Asp
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Cys	Ser	Asn	Ile	Thr	Trp	Lys	Gly	Pro	Val	Cys	Gly	Leu	Asp	Gly
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Lys	Thr	Tyr	Arg	Asn	Glu	Cys	Ala	Leu	Leu	Lys	Ala	Arg	Cys	Lys
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Asp	Gln	Thr	Asn	Asn	Ala	Tyr	Cys	Val	Thr	Cys	Asn	Arg	Ile	Cys
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Pro	Glu	Pro	Thr	Ser	Pro	Glu	Gln	Tyr	Leu	Cys	Gly	Asn	Asp	Gly
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Asn	Ser	Ile	Asn	Glu	Asp	Pro	Glu	Glu	Glu	Glu	Glu	Asp	Glu	Asp
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<300>
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 Glu Asp Leu Arg Ala Phe Gln Val Gln Gln Ala Val Asp Leu Arg
 65 70 75
 Arg His Thr Ala Arg Lys Ser Ser Ile Lys Ala Ala Val Pro Gly
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 95 100 105
 Arg Gly Ala Cys Gly Arg Trp Arg Gly Arg Ser Arg Ser Arg Arg
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 Ala Ala Thr Ser Arg Pro Glu Arg Val Trp Pro Asp Gly Val Ile
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 140 145 150
 Phe Arg Gln Ala Met Arg His Trp Glu Lys His Thr Cys Val Thr
 155 160 165
 Phe Leu Glu Arg Thr Asp Glu Asp Ser Tyr Ile Val Phe Thr Tyr
 170 175 180
 Arg Pro Cys Gly Cys Cys Ser Tyr Val Gly Arg Arg Gly Gly Gly
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 Pro Gln Ala Ile Ser Ile Gly Lys Asn Cys Asp Lys Phe Gly Ile
 200 205 210
 Val Val His Glu Leu Gly His Val Val Gly Phe Trp His Glu His
 215 220 225
 Thr Arg Pro Asp Arg Asp Arg His Val Ser Ile Val Arg Glu Asn
 230 235 240
 Ile Gln Pro Gly Gln Glu Tyr Asn Phe Leu Lys Met Glu Pro Gln
 245 250 255
 Glu Val Glu Ser Leu Gly Glu Thr Tyr Asp Phe Asp Ser Ile Met
 260 265 270
 His Tyr Ala Arg Asn Thr Phe Ser Arg Gly Ile Phe Leu Asp Thr
 275 280 285
 Ile Val Pro Lys Tyr Glu Val Asn Gly Val Lys Pro Pro Ile Gly
 290 295 300
 Gln Arg Thr Arg Leu Ser Lys Gly Asp Ile Ala Gln Ala Arg Lys
 305 310 315
 Leu Tyr Lys Cys Pro Ala Cys Gly Glu Thr Leu Gln Asp Ser Thr
 320 325 330
 Gly Asn Phe Ser Ser Pro Glu Tyr Pro Asn Gly Tyr Ser Ala His

Met His Cys Val	335	340	345
Trp Arg Ile Ser Val Thr Pro Gly Glu Lys Ile			
Ile Leu Asn Phe	350	355	360
Thr Ser Leu Asp Leu Tyr Arg Ser Arg Leu Cys			
Trp Tyr Asp Tyr	365	370	375
Val Glu Val Arg Asp Gly Phe Trp Arg Lys Ala			
Pro Leu Arg Gly	380	385	390
Arg Phe Cys Gly Ser Lys Leu Pro Glu Pro Ile			
Val Ser Thr Asp	395	400	405
Ser Arg Leu Trp Val Glu Phe Arg Ser Ser Ser			
Asn Trp Val Gly	410	415	420
Lys Gly Phe Phe Ala Val Tyr Glu Ala Ile Cys			
Gly Gly Asp Val	425	430	435
Lys Lys Asp Tyr Gly His Ile Gln Ser Pro Asn			
Tyr Pro Asp Asp	440	445	450
Tyr Arg Pro Ser Lys Val Cys Ile Trp Arg Ile			
Gln Val Ser Glu	455	460	465
Gly Phe His Val Gly Leu Thr Phe Gln Ser Phe			
Glu Ile Glu Arg	470	475	480
His Asp Ser Cys Ala Tyr Asp Tyr Leu Glu Val			
Arg Asp Gly His	485	490	495
Ser Glu Ser Ser Thr Leu Ile Gly Arg Tyr Cys			
Gly Tyr Glu Lys	500	505	510
Pro Asp Asp Ile Lys Ser Thr Ser Ser Arg Leu			
Trp Leu Lys Phe	515	520	525
Val Ser Asp Gly Ser Ile Asn Lys Ala Gly Phe			
Ala Val Asn Phe	530	535	540
Phe Lys Glu Val Asp Glu Cys Ser Arg Pro Asn			
Arg Gly Gly Cys	545	550	555
Glu Gln Arg Cys Leu Asn Thr Leu Gly Ser Tyr			
Lys Cys Ser Cys	560	565	570
Asp Pro Gly Tyr Glu Leu Ala Pro Asp Lys Arg			
Arg Cys Glu Ala	575	580	585
Ala Cys Gly Gly Phe Leu Thr Lys Leu Asn Gly			
Ser Ile Thr Ser	590	595	600
Pro Gly Trp Pro Lys Glu Tyr Pro Pro Asn Lys			
Asn Cys Ile Trp	605	610	615
Gln Leu Val Ala Pro Thr Gln Tyr Arg Ile Ser			
Leu Gln Phe Asp	620	625	630
Phe Phe Glu Thr Glu Gly Asn Asp Val Cys Lys			
Tyr Asp Phe Val	635	640	645
Glu Val Arg Ser Gly Leu Thr Ala Asp Ser Lys			
Leu His Gly Lys	650	655	660
Phe Cys Gly Ser Glu Lys Pro Glu Val Ile Thr			
Ser Gln Tyr Asn	665	670	675
Asn Met Arg Val Glu Phe Lys Ser Asp Asn Thr			
Val Ser Lys Lys	680	685	690
Gly Phe Lys Ala His Phe Phe Ser Glu Lys Arg			
Pro Ala Leu Gln	695	700	705
Pro Pro Arg Gly Arg Pro His Gln Leu Lys Phe			
Arg Val Gln Lys	710	715	720
Arg Asn Arg Thr Pro Gln			
	725	730	